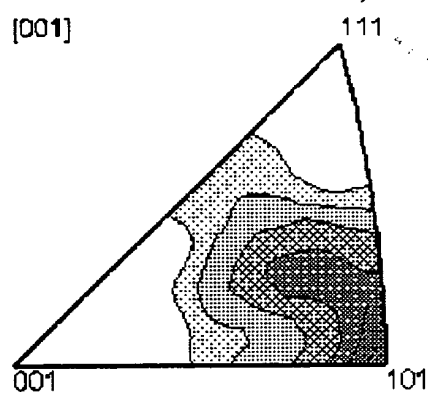


1 ppm

{101} orientation ratio 53%

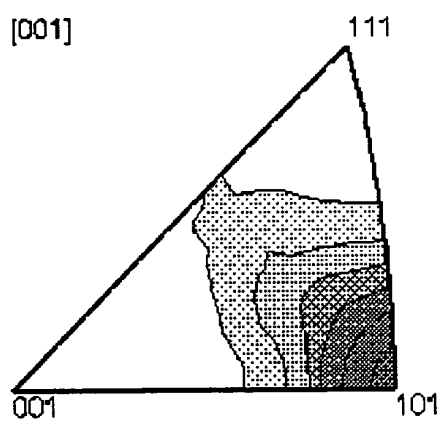
Fig. 1A



3 ppm

{101} orientation ratio 44%

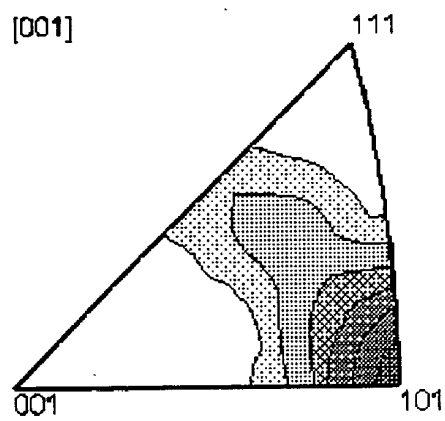
Fig. 1B



10 ppm

{101} orientation ratio 30%

Fig. 1C



30 ppm

{101} orientation ratio 19%

Fig. 1D

Fig. 2

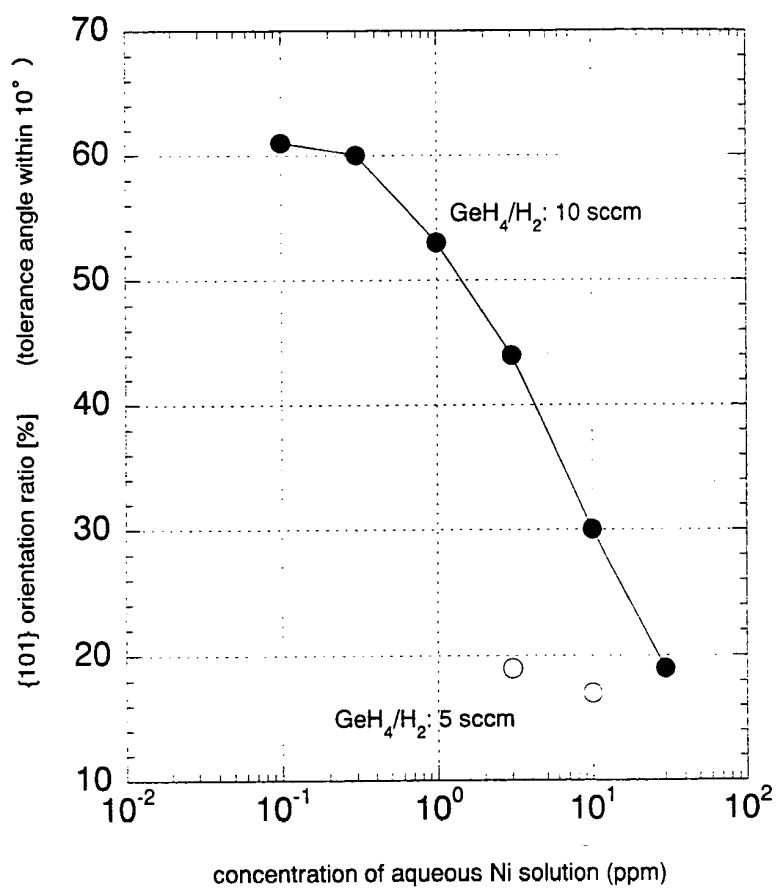


Fig. 3

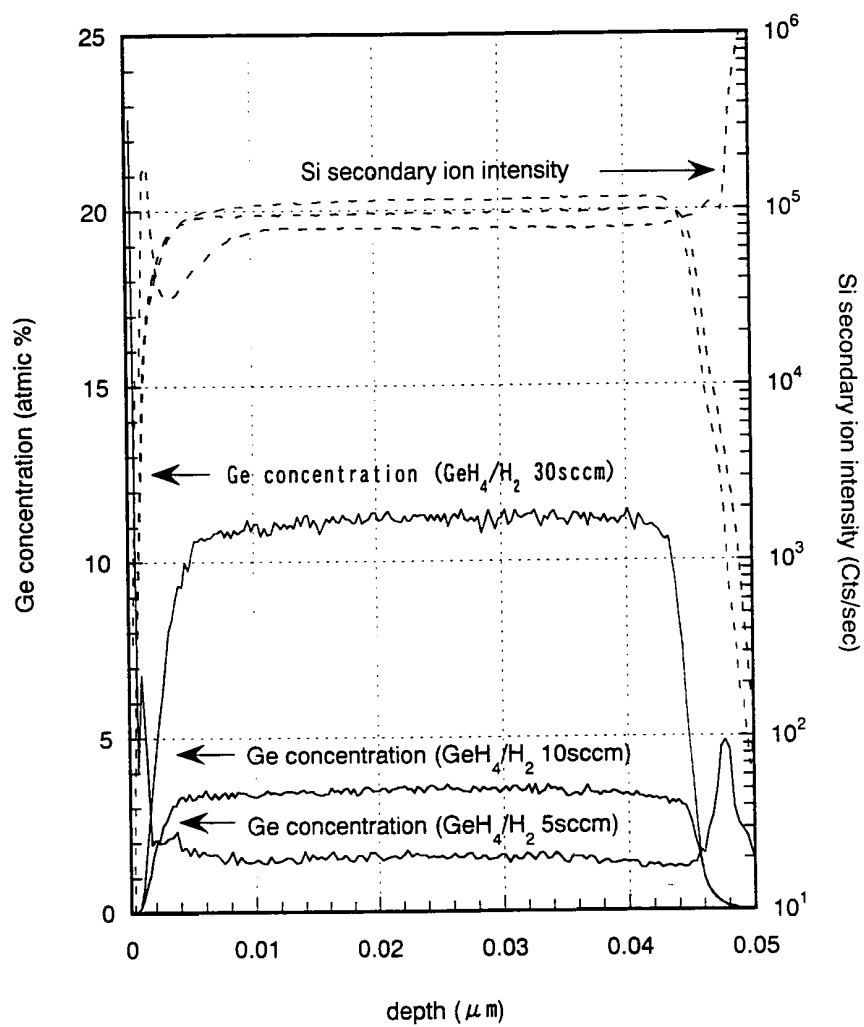


Fig. 4

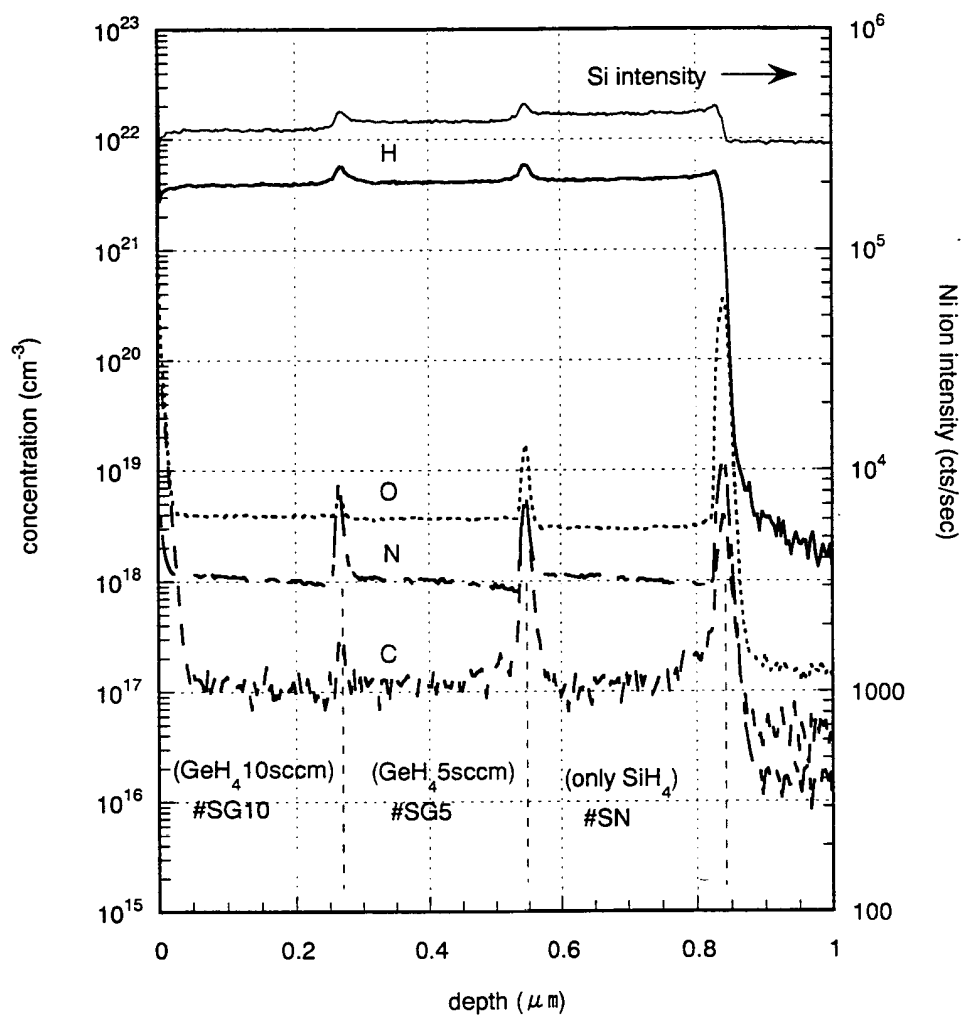


Fig. 5

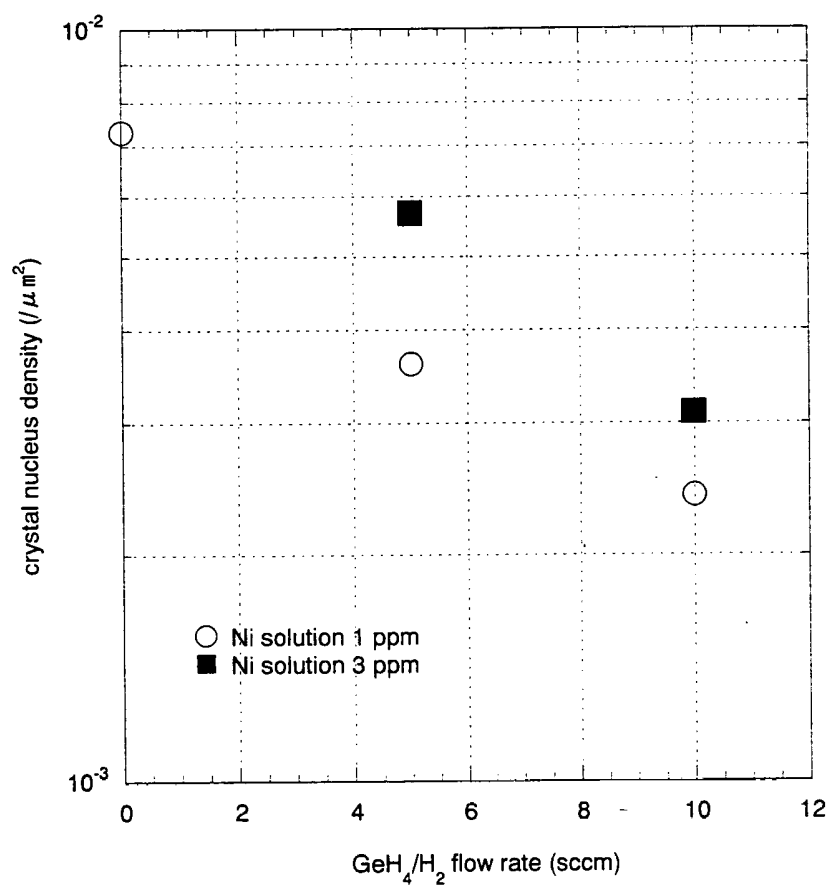


Fig. 6

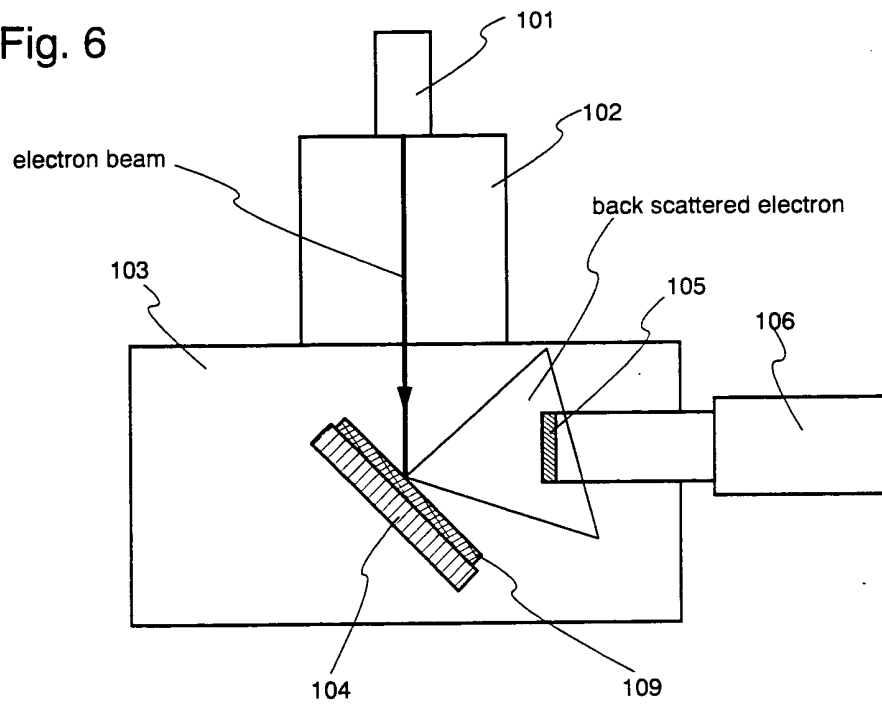


Fig. 7

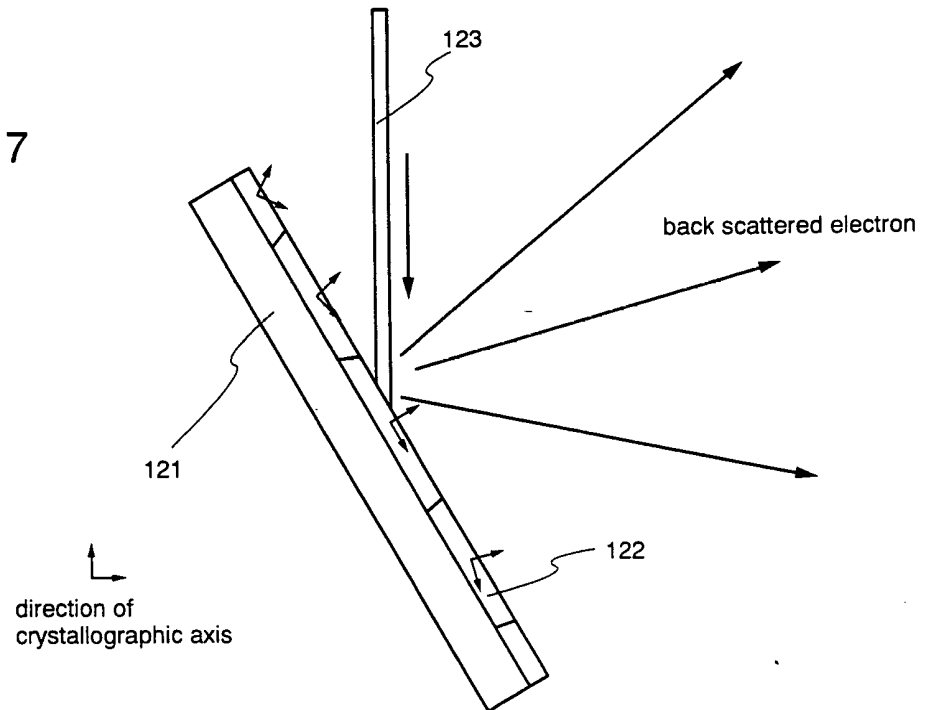


Fig. 8A

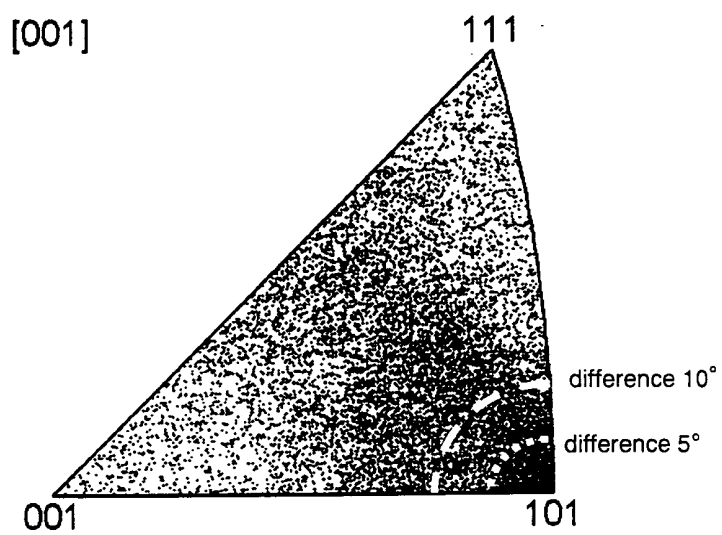
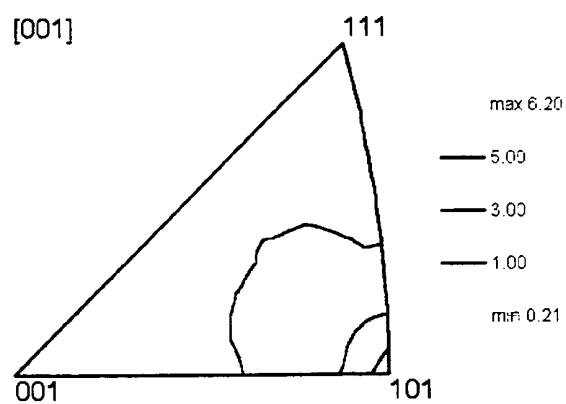


Fig. 8B



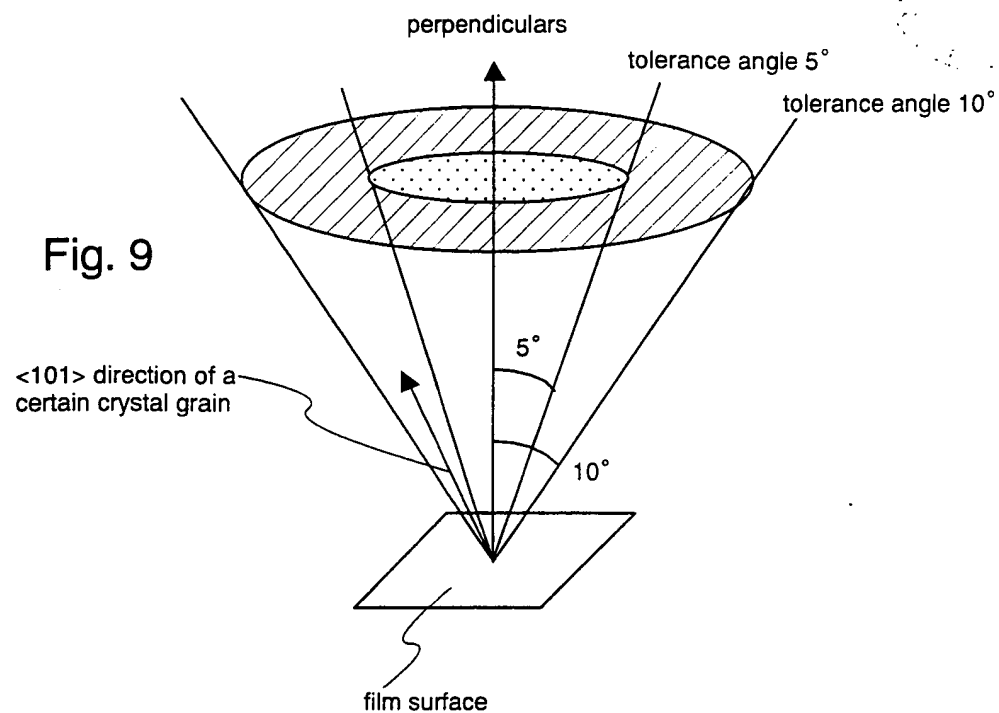


Fig. 10

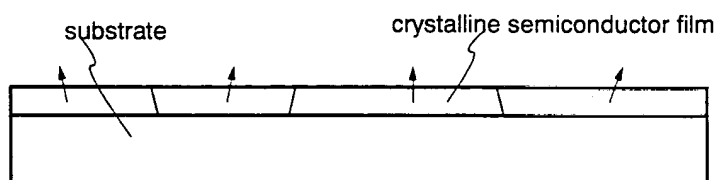




Fig. 11A

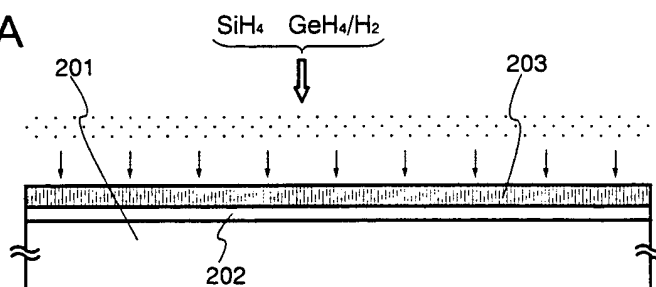


Fig. 11B

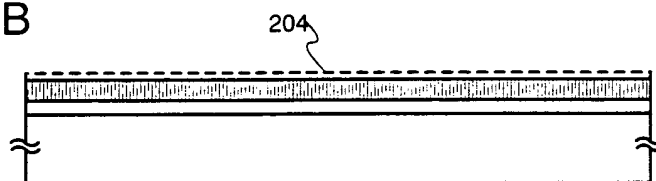


Fig. 11C

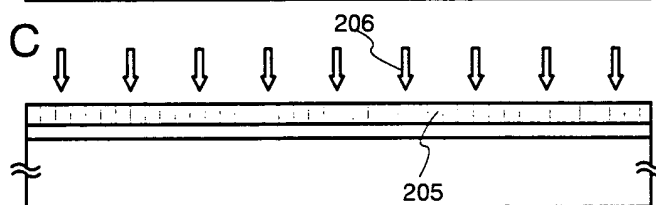


Fig. 11D

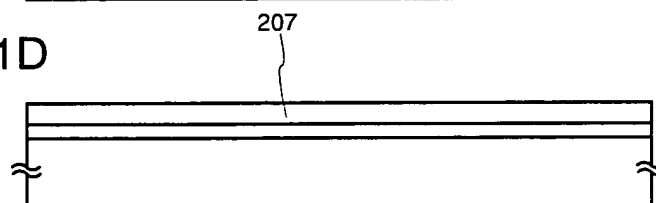


Fig. 12A-a

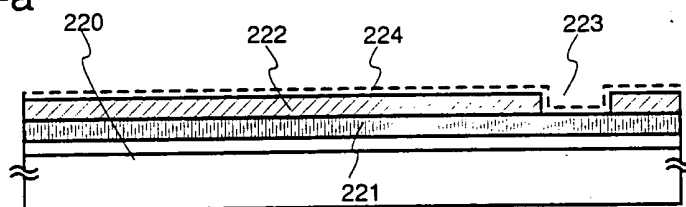


Fig. 12A-b

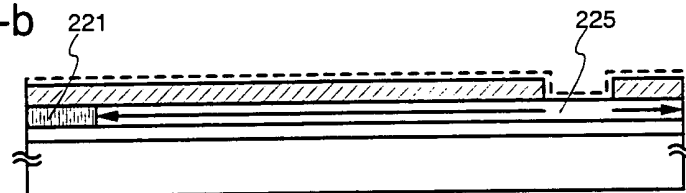


Fig. 12A-c

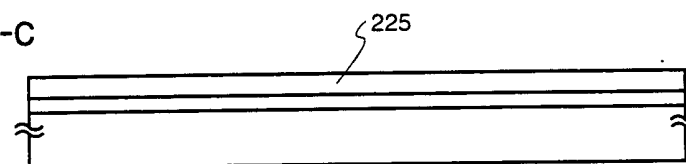


Fig. 12B-a

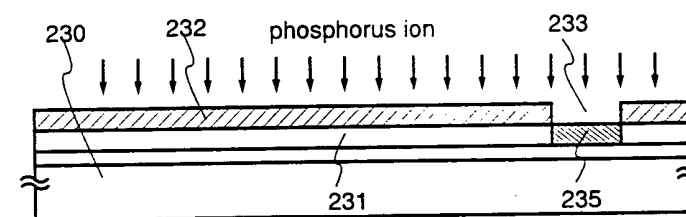


Fig. 12B-b

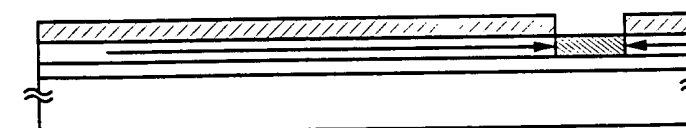


Fig. 12B-c

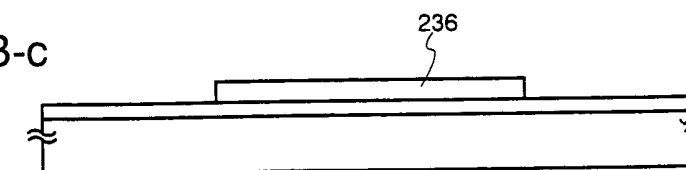


Fig. 13A

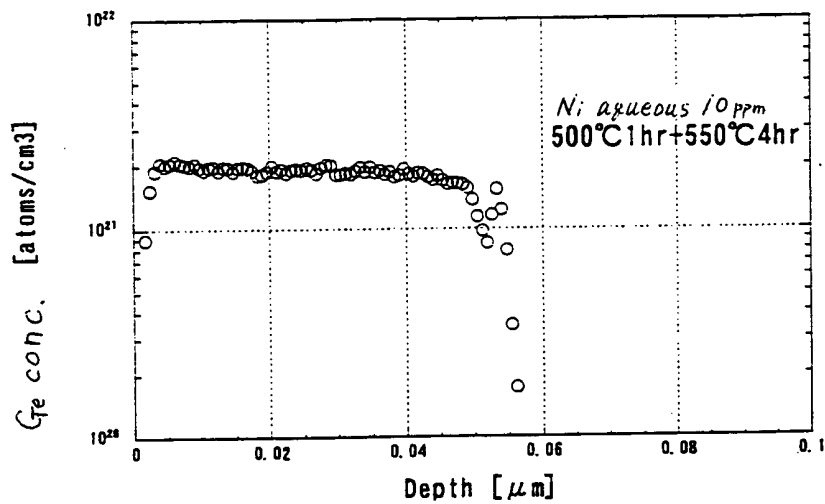


Fig. 13B

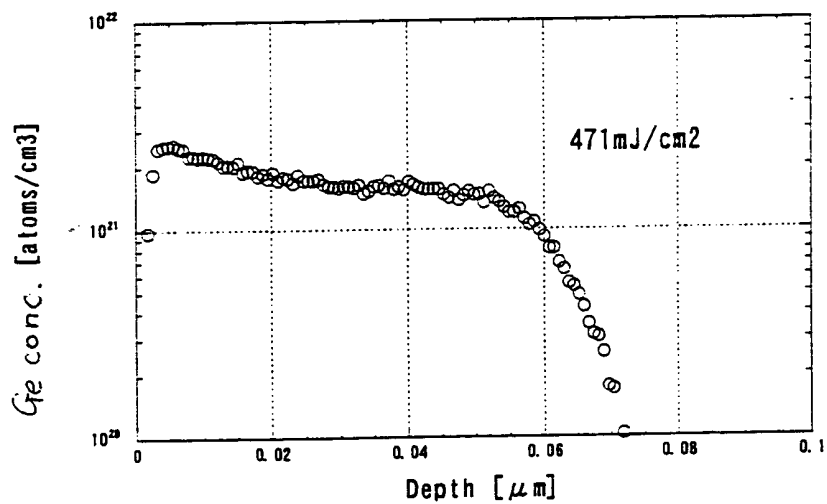
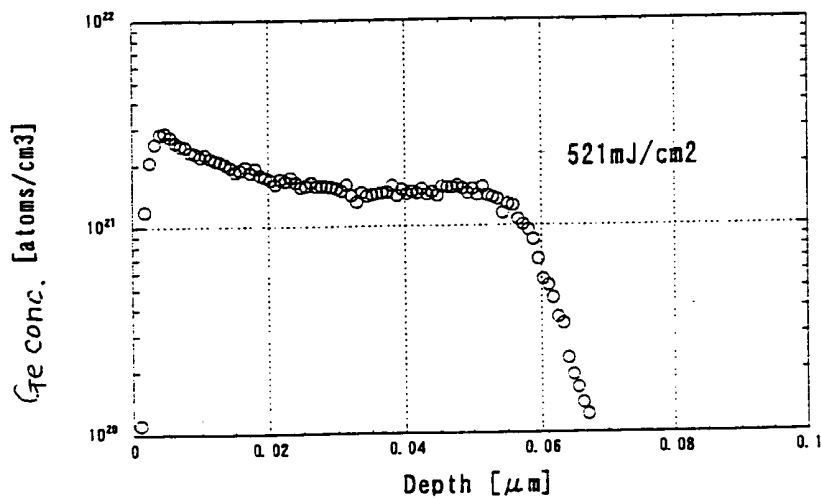


Fig. 13C



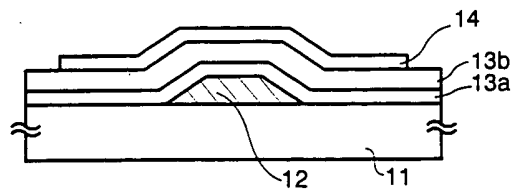


Fig. 14A

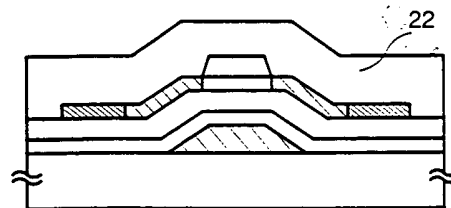


Fig. 14E

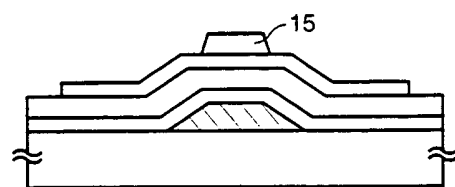
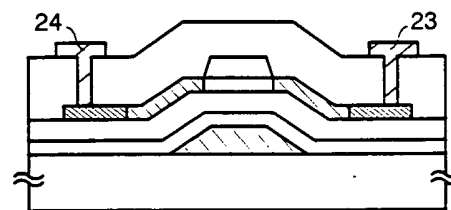


Fig. 14B



n-channel TFT

Fig. 14F

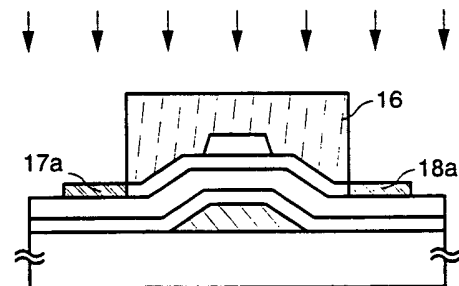


Fig. 14C

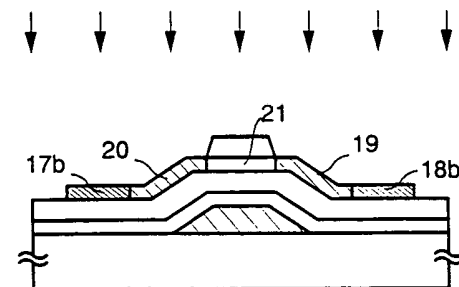


Fig. 14D

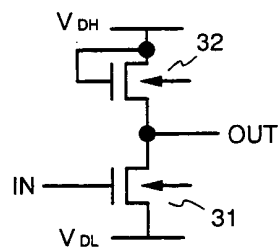


Fig. 15A

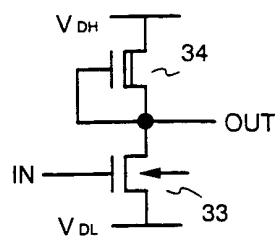


Fig. 15B

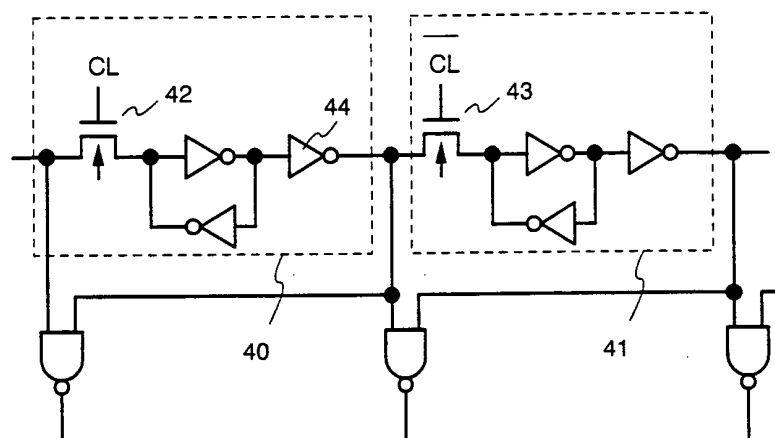


Fig. 16A

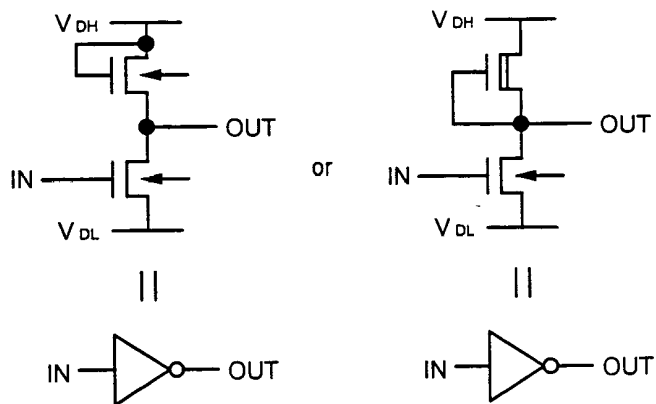


Fig. 16B

Fig.17A

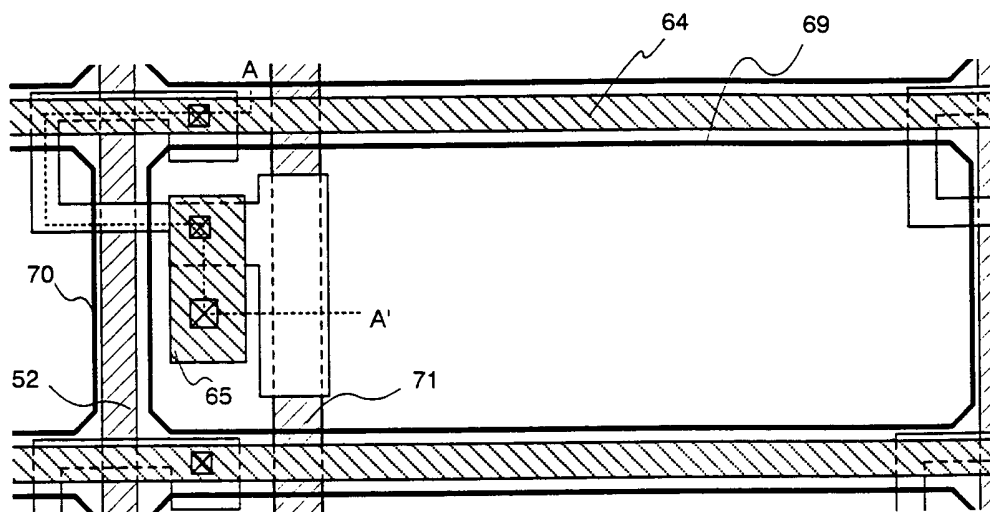


Fig.17B

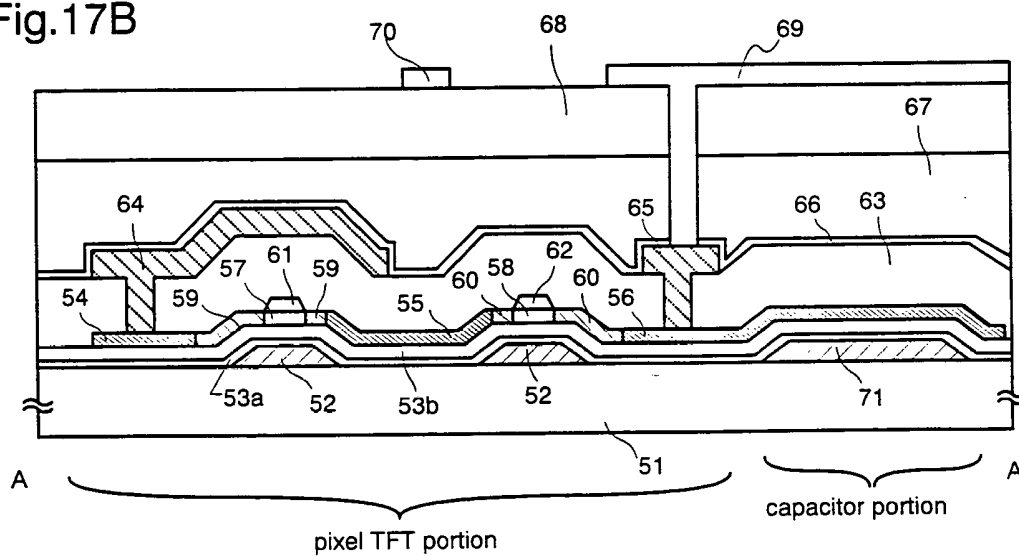


Fig. 18

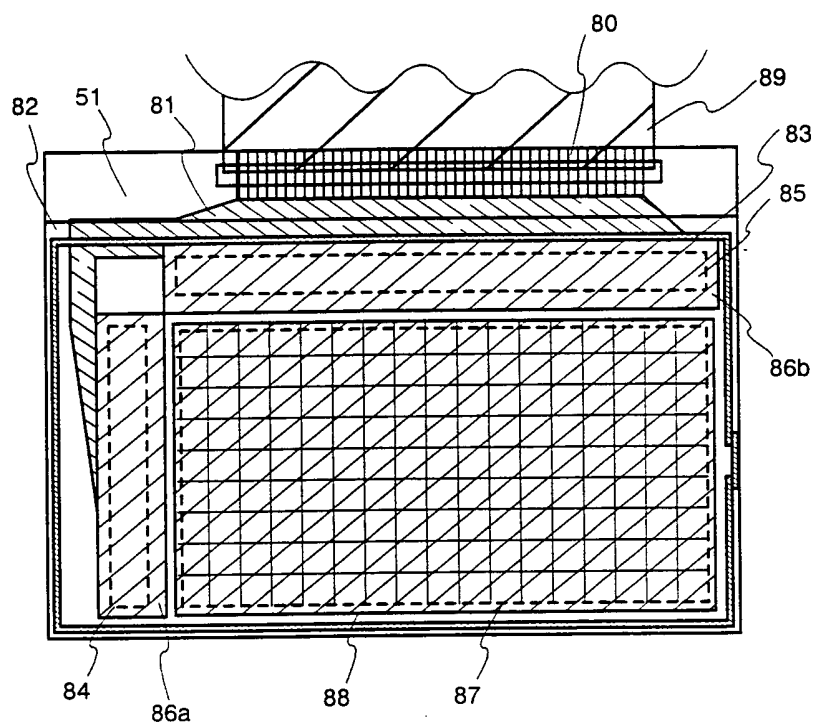


Fig. 19

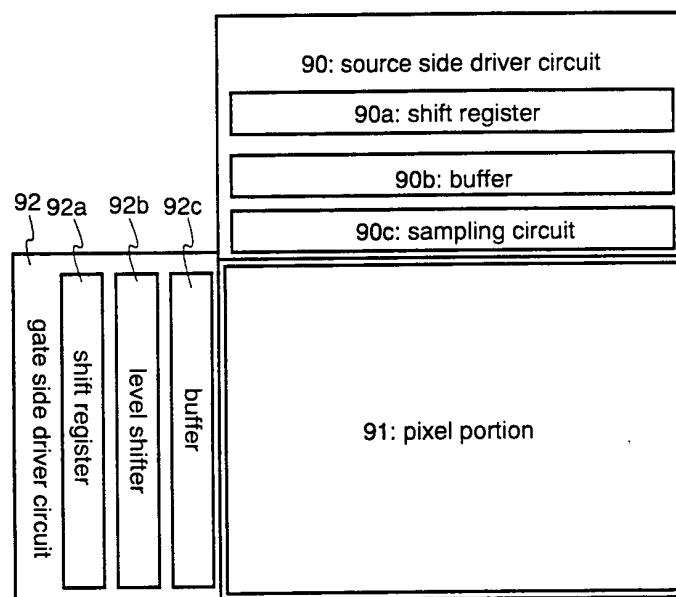




Fig. 20

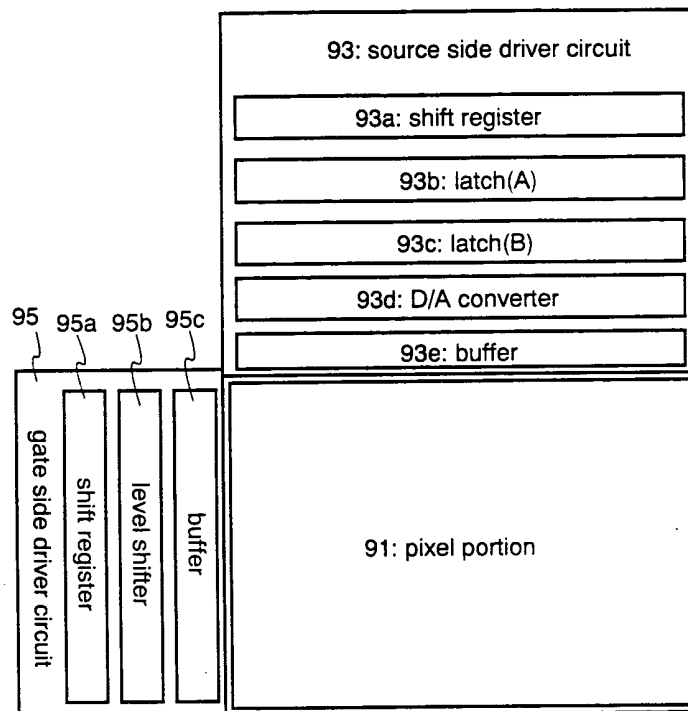


Fig. 21A

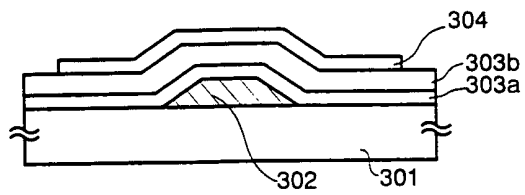


Fig. 21B

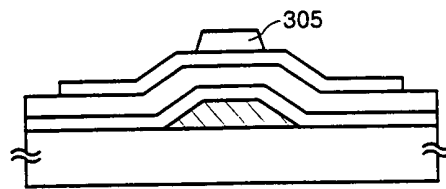


Fig. 21C

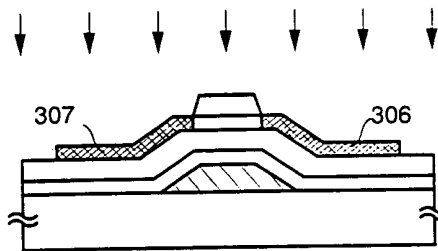


Fig. 21D

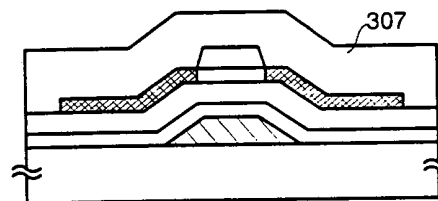
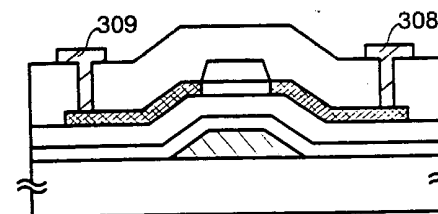


Fig. 21E



p-channel TFT

Fig. 22A

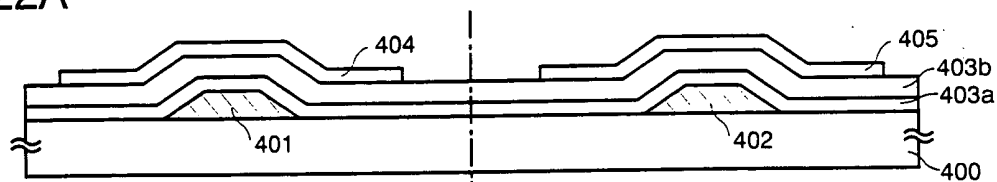


Fig. 22B

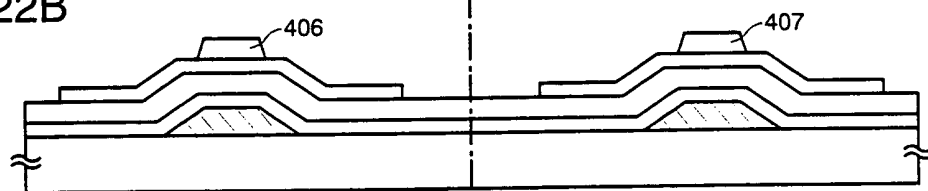


Fig. 22C

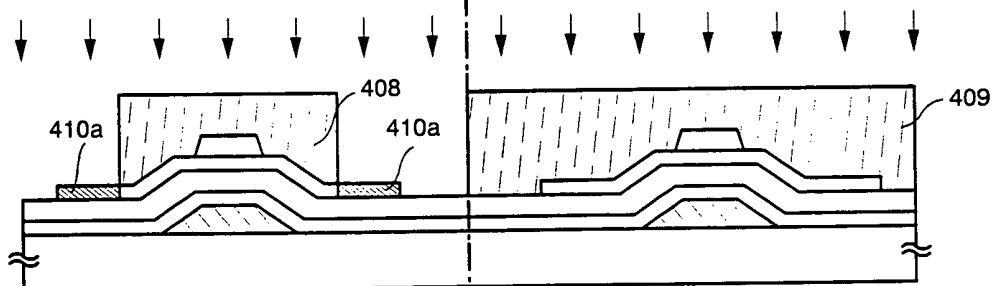


Fig. 22D

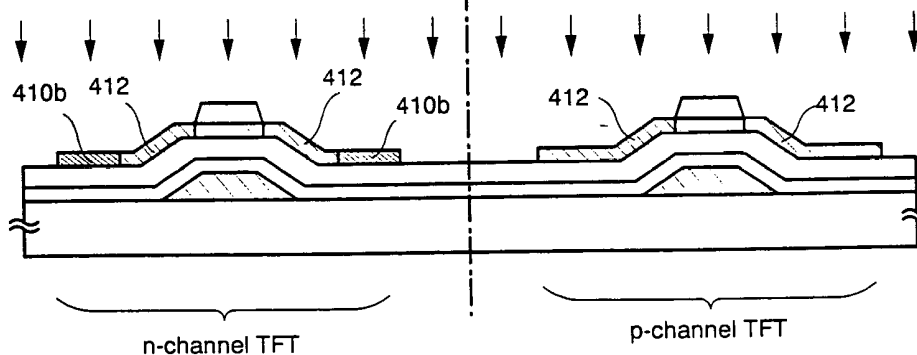


Fig. 23A

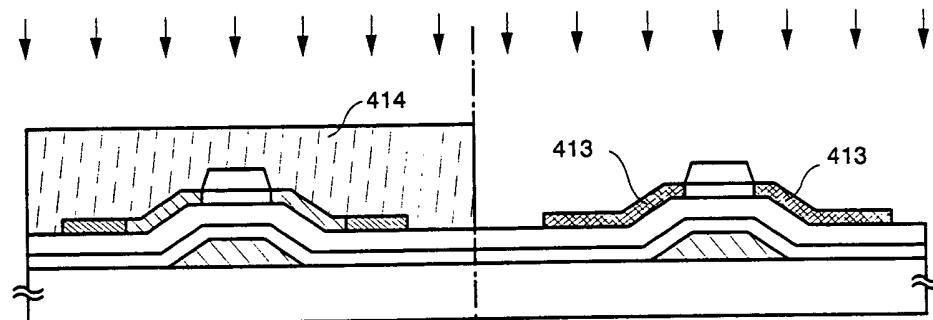


Fig. 23B

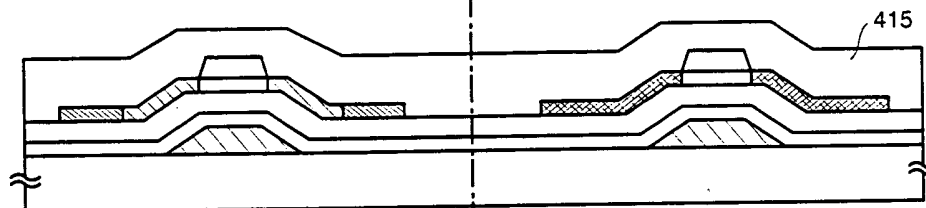
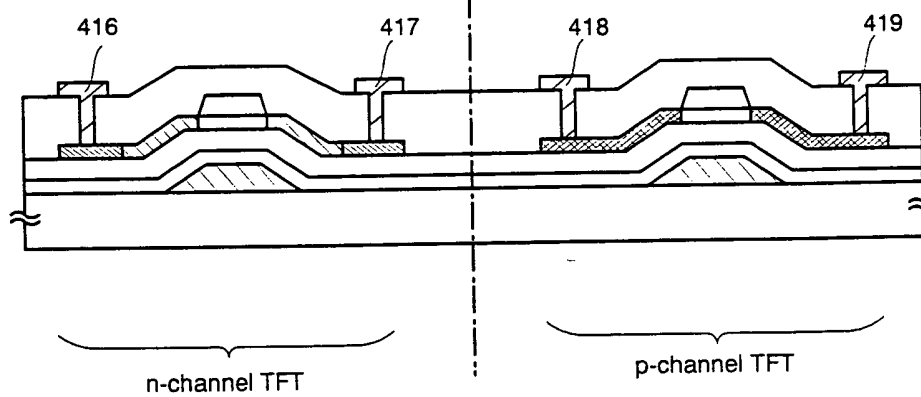


Fig. 23C



Country	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
Japan	7	8	10	12	14	16	18	20	22	24	26
Germany	10	11	12	13	14	15	16	17	18	19	20
France	11	12	13	14	15	16	17	18	19	20	21
Italy	12	13	14	15	16	17	18	19	20	21	22
Spain	13	14	15	16	17	18	19	20	21	22	23
Sweden	14	15	16	17	18	19	20	21	22	23	24
United Kingdom	15	16	17	18	19	20	21	22	23	24	25
United States	16	17	18	19	20	21	22	23	24	25	26
Canada	17	18	19	20	21	22	23	24	25	26	27
Belgium	18	19	20	21	22	23	24	25	26	27	28
Netherlands	19	20	21	22	23	24	25	26	27	28	29
Australia	20	21	22	23	24	25	26	27	28	29	30
South Korea	21	22	23	24	25	26	27	28	29	30	31
India	22	23	24	25	26	27	28	29	30	31	32
China	23	24	25	26	27	28	29	30	31	32	33
South Africa	24	25	26	27	28	29	30	31	32	33	34
Brazil	25	26	27	28	29	30	31	32	33	34	35
Argentina	26	27	28	29	30	31	32	33	34	35	36
Colombia	27	28	29	30	31	32	33	34	35	36	37
Peru	28	29	30	31	32	33	34	35	36	37	38
Venezuela	29	30	31	32	33	34	35	36	37	38	39
Chile	30	31	32	33	34	35	36	37	38	39	40
Ecuador	31	32	33	34	35	36	37	38	39	40	41
Bolivia	32	33	34	35	36	37	38	39	40	41	42
Paraguay	33	34	35	36	37	38	39	40	41	42	43
Uruguay	34	35	36	37	38	39	40	41	42	43	44
Costa Rica	35	36	37	38	39	40	41	42	43	44	45
Panama	36	37	38	39	40	41	42	43	44	45	46
Dominican Republic	37	38	39	40	41	42	43	44	45	46	47
Honduras	38	39	40	41	42	43	44	45	46	47	48
Guatemala	39	40	41	42	43	44	45	46	47	48	49
El Salvador	40	41	42	43	44	45	46	47	48	49	50
Nicaragua	41	42	43	44	45	46	47	48	49	50	51
Haiti	42	43	44	45	46	47	48	49	50	51	52
Jamaica	43	44	45	46	47	48	49	50	51	52	53
Trinidad and Tobago	44	45	46	47	48	49	50	51	52	53	54
Barbados	45	46	47	48	49	50	51	52	53	54	55
Suriname	46	47	48	49</							

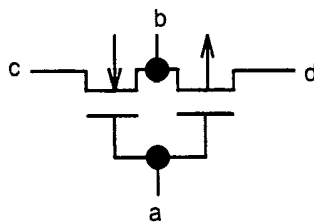
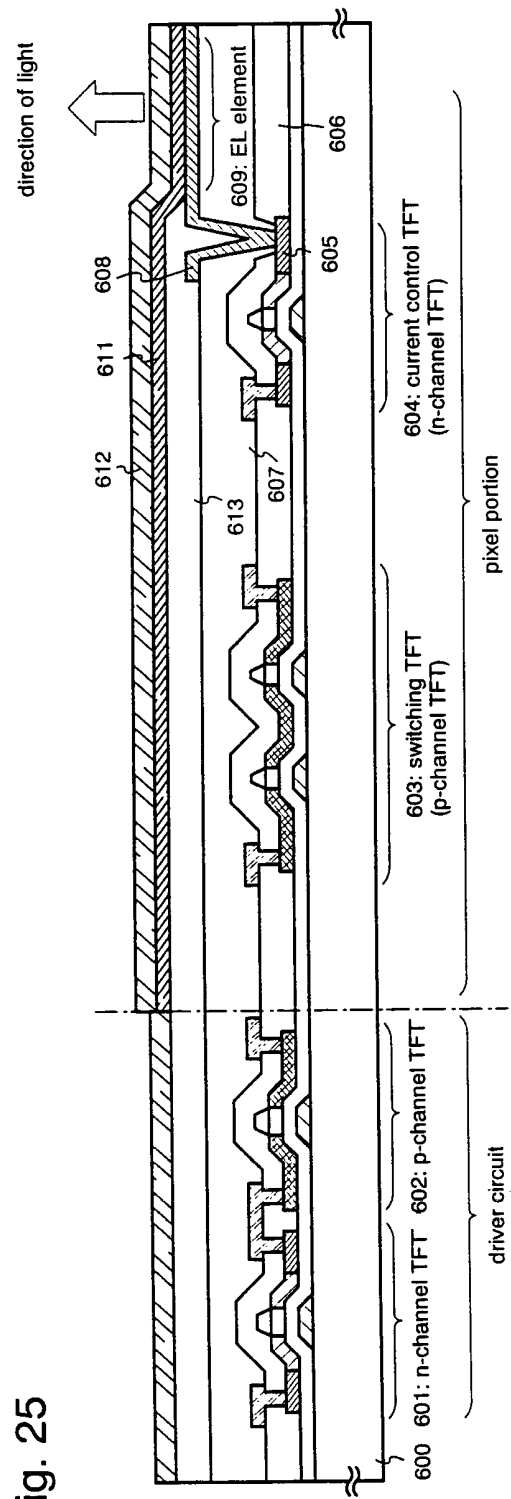


Fig. 25



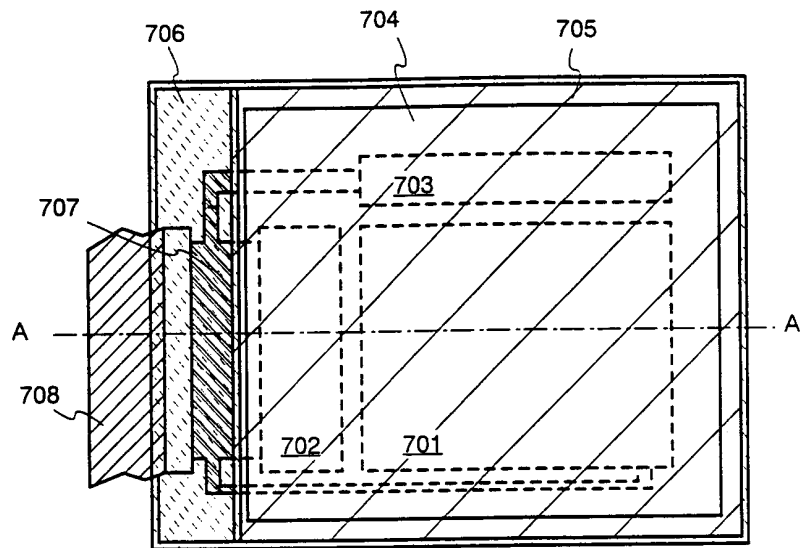


Fig. 26A

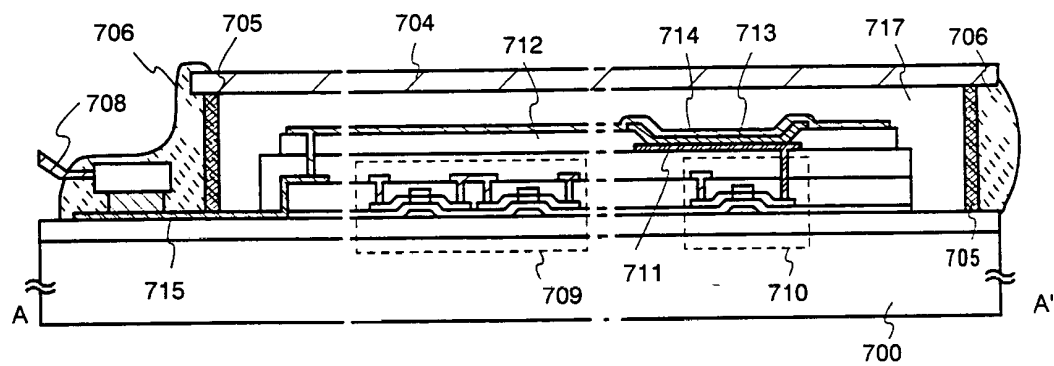


Fig. 26B

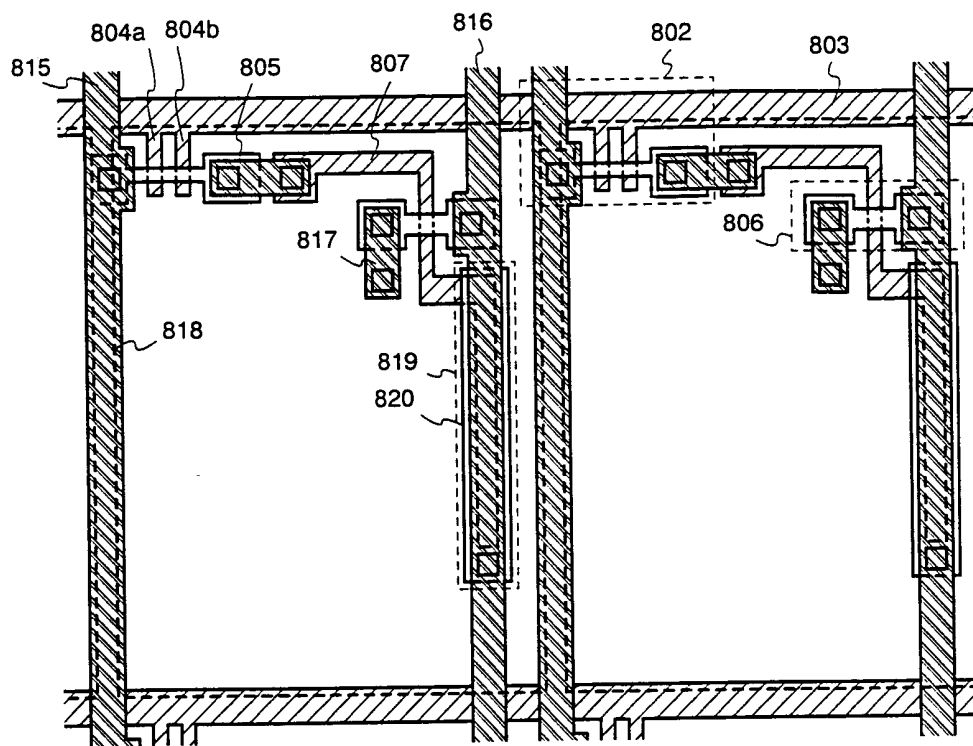


Fig. 27A

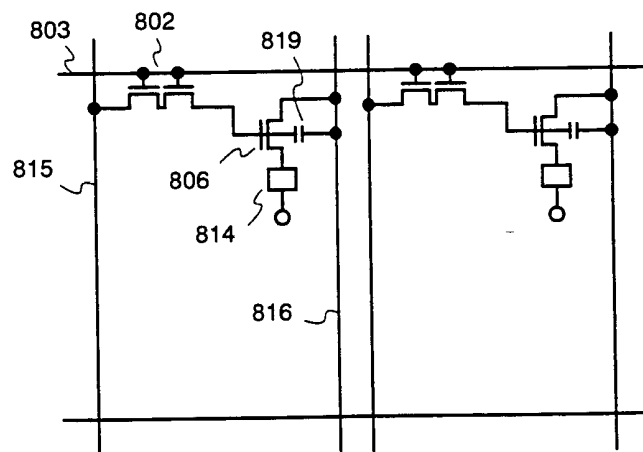


Fig. 27B



Fig. 28

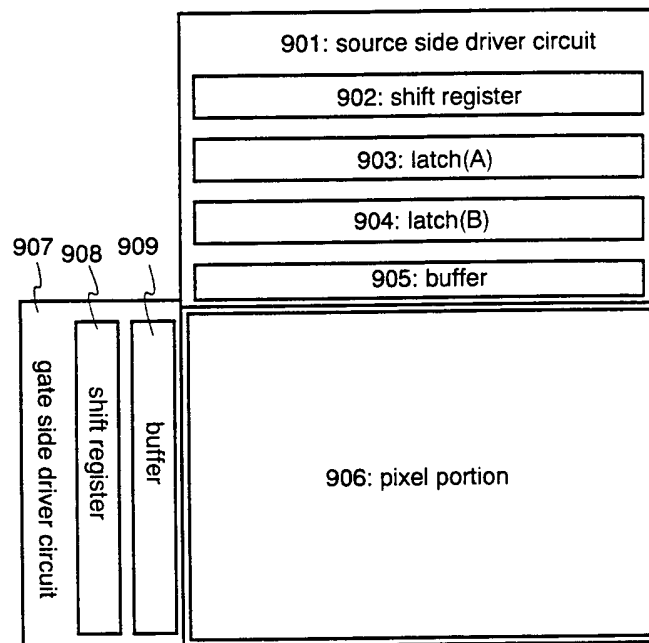


Fig. 29

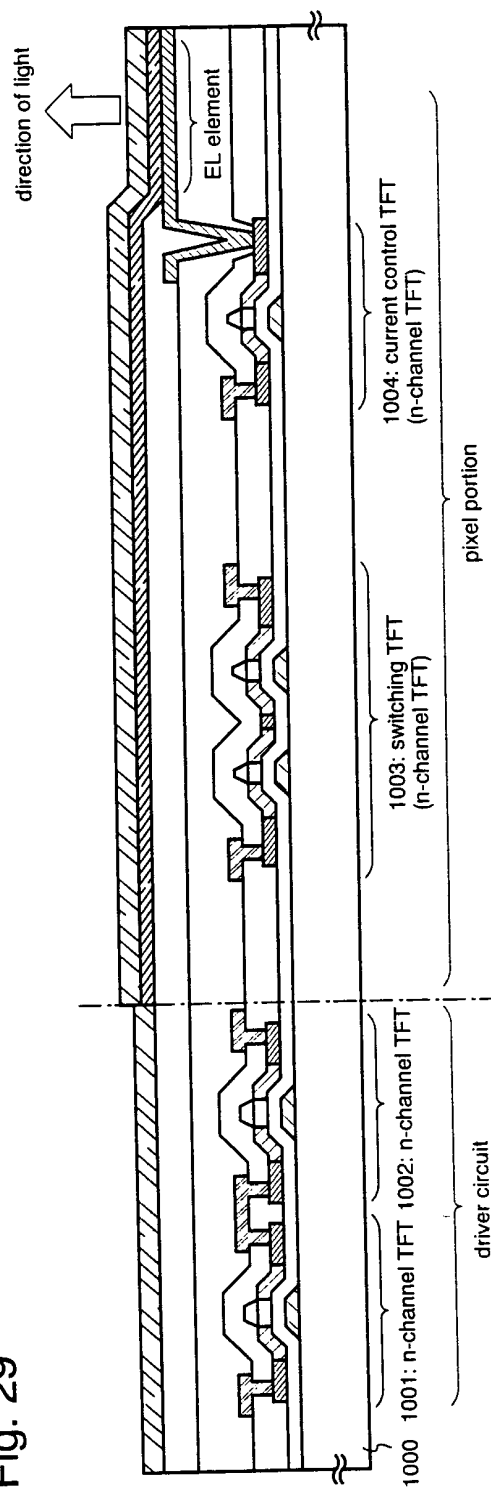


Fig. 30

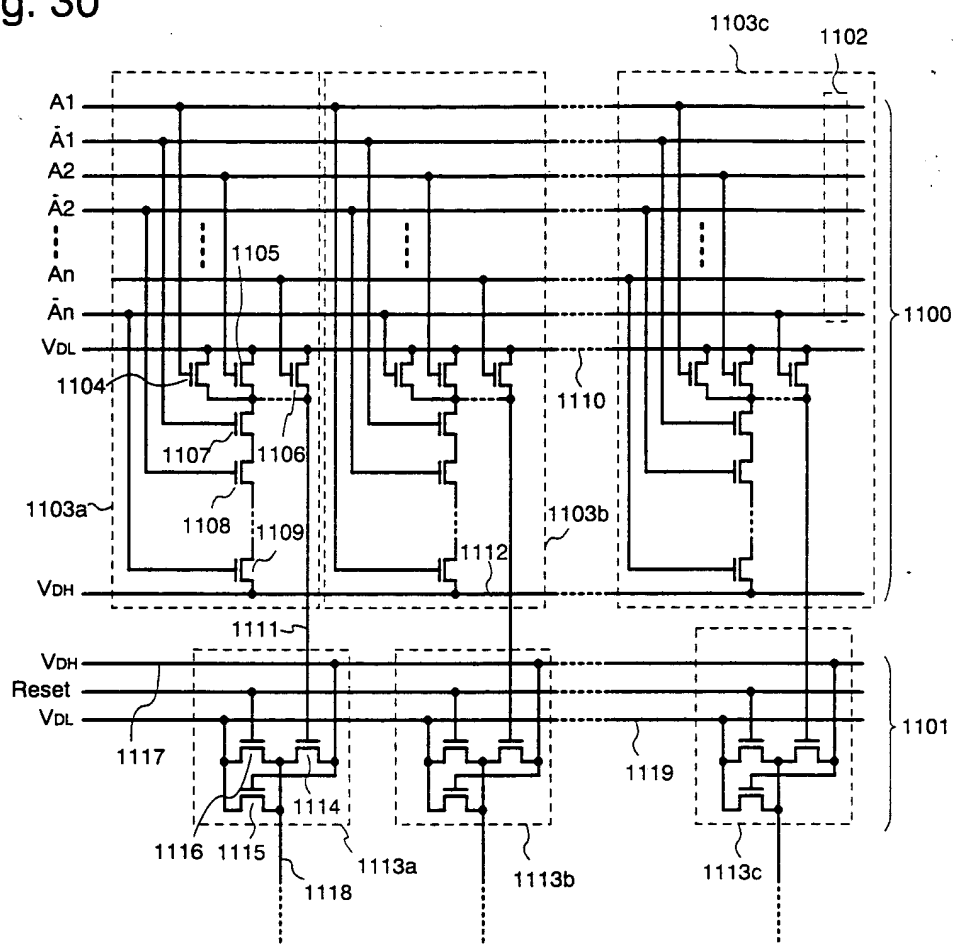


Fig. 31

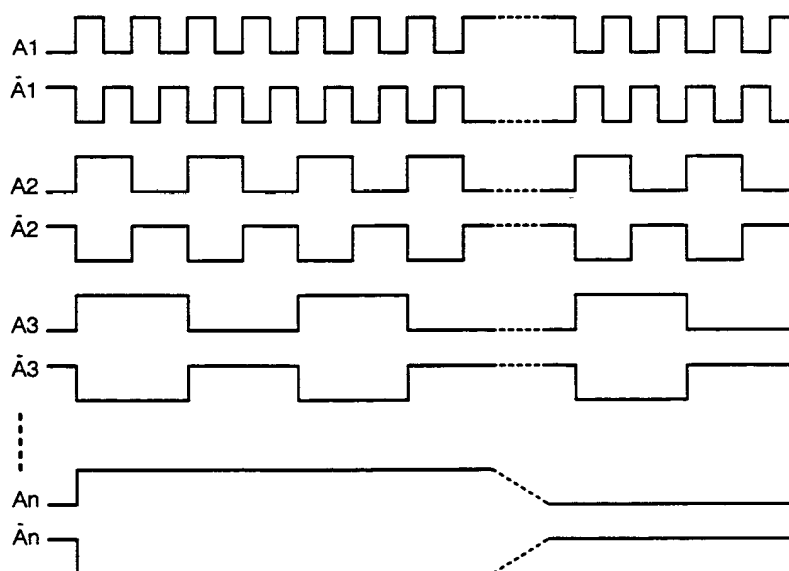


Fig. 32

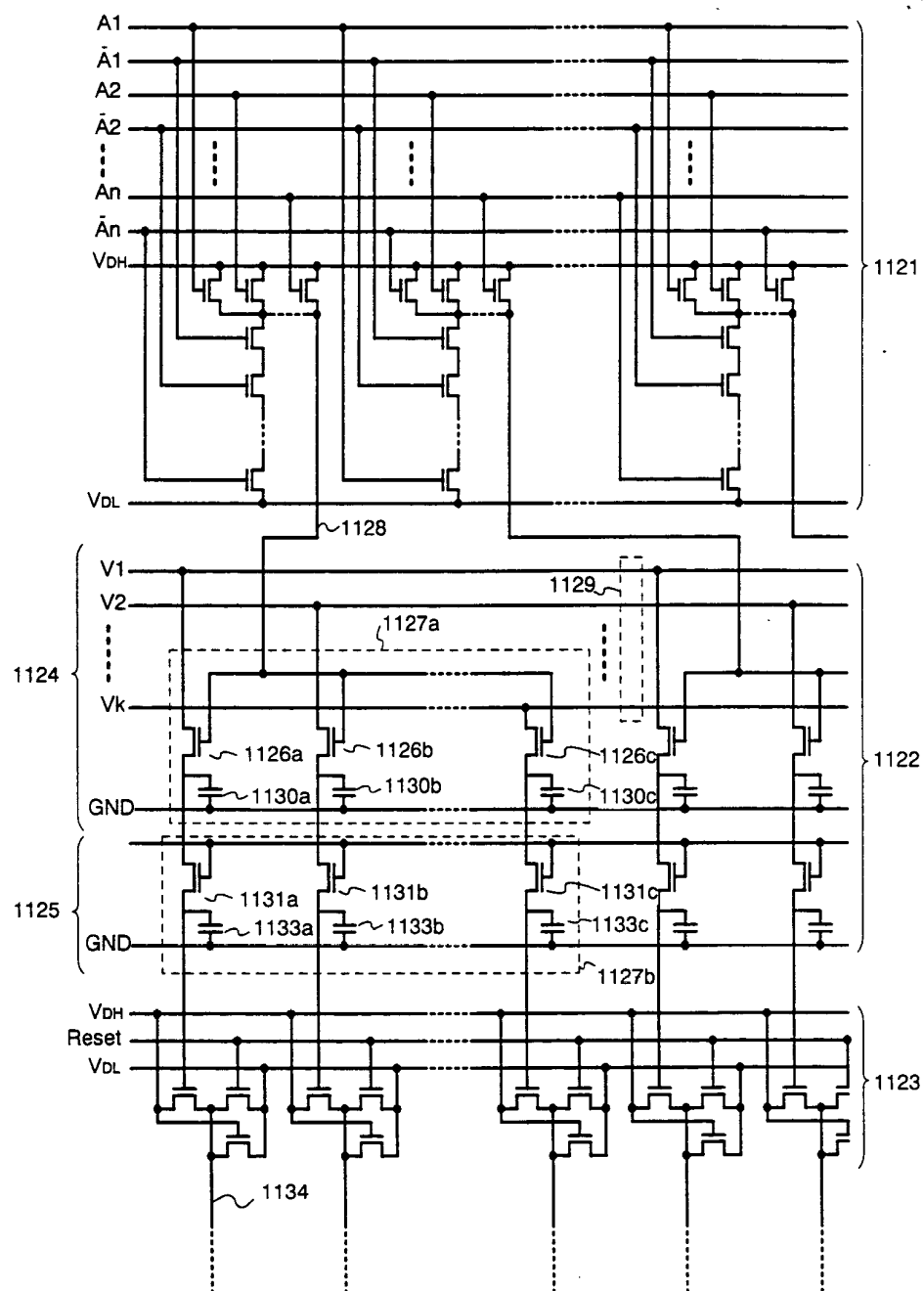


Fig. 33

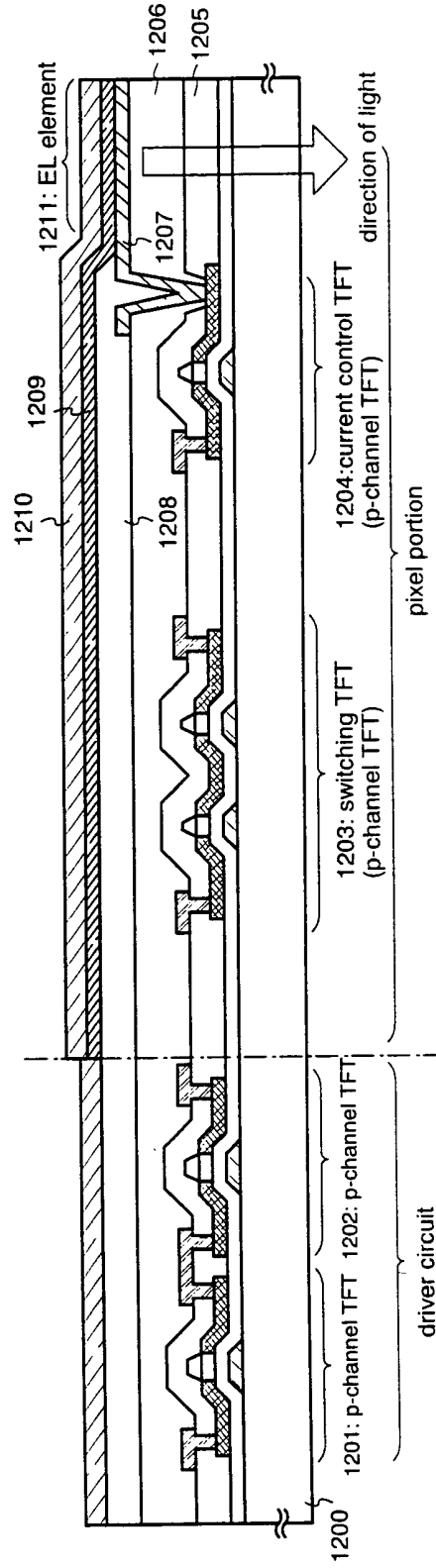


Fig. 34

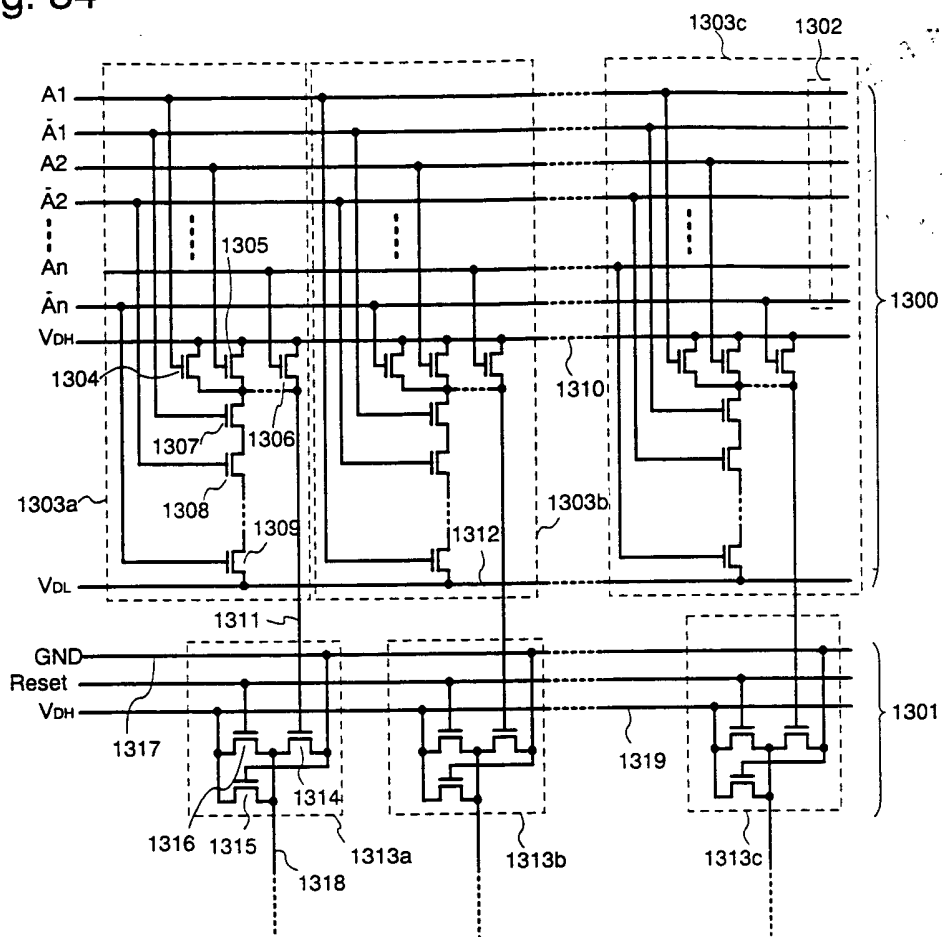


Fig. 35

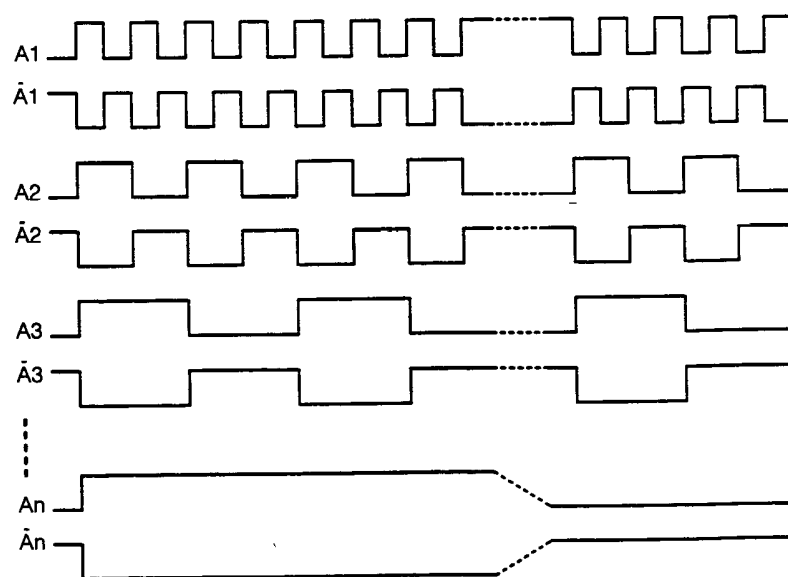


Fig. 36

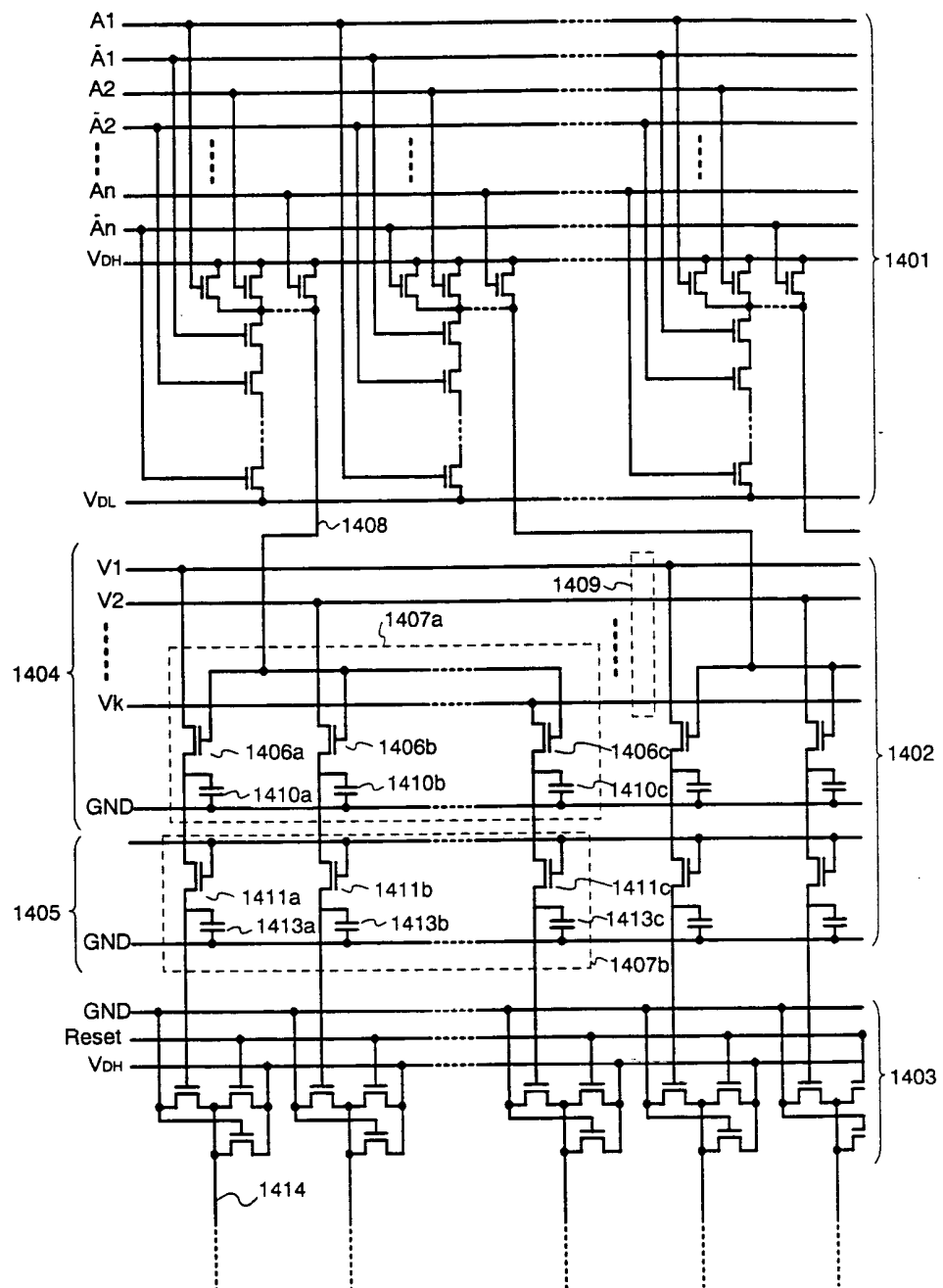


Fig. 37A

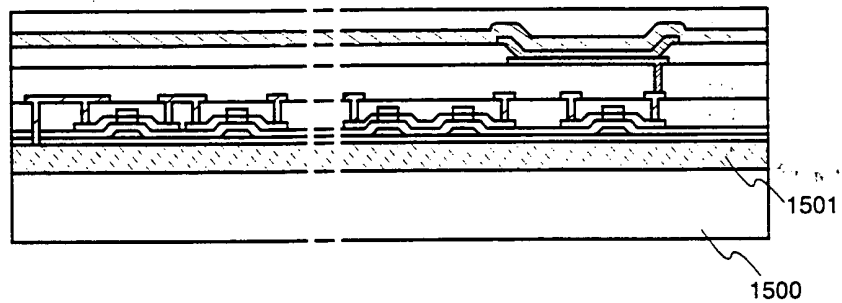


Fig. 37B

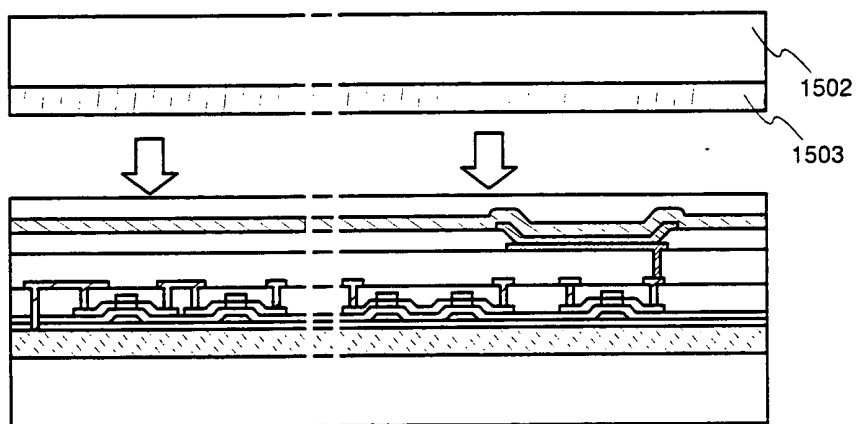


Fig. 37C

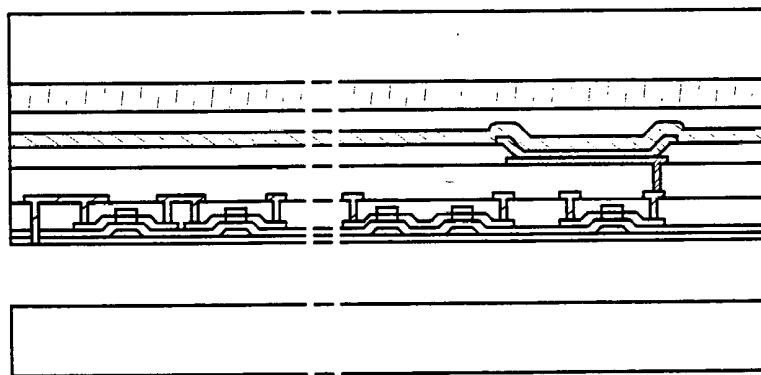




Fig. 38A

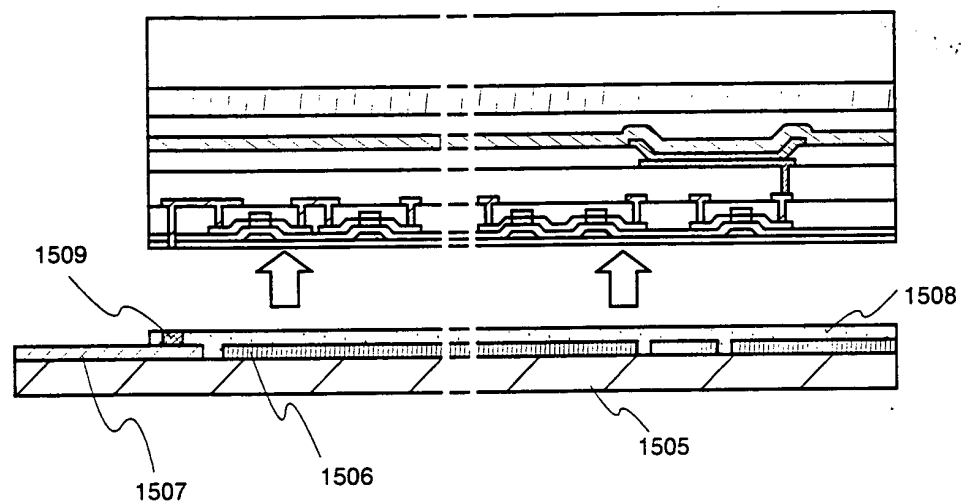
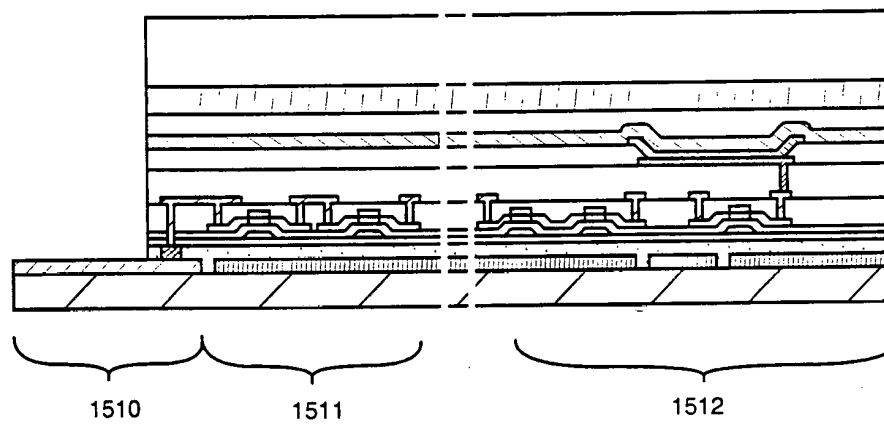


Fig. 38B



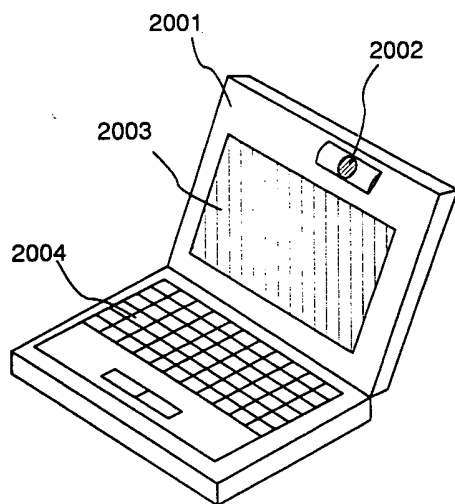


Fig. 39A

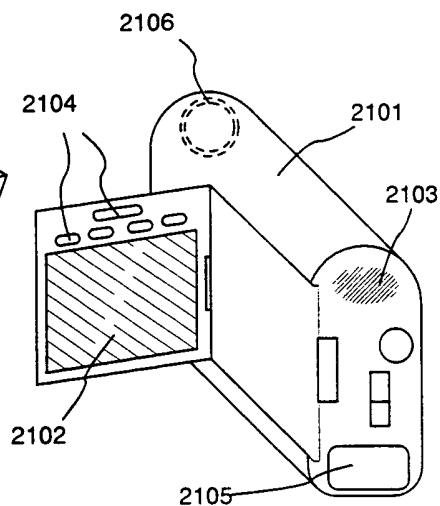


Fig. 39B

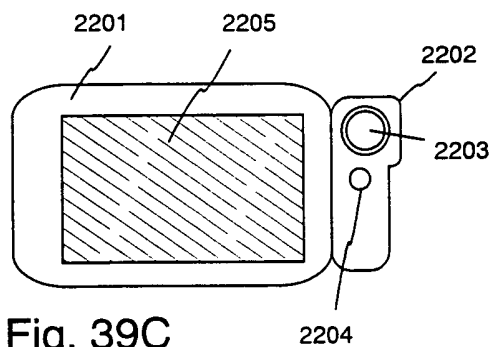


Fig. 39C

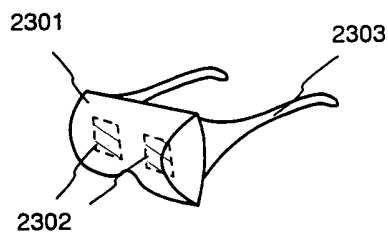


Fig. 39D

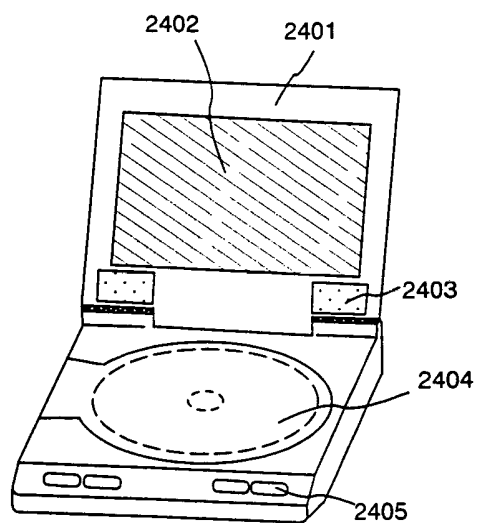


Fig. 39E

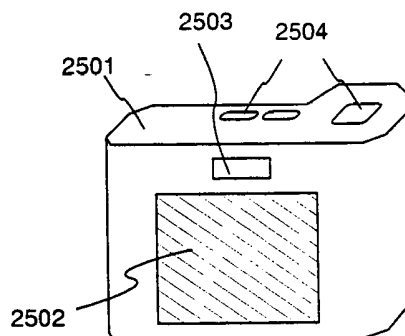


Fig. 39F

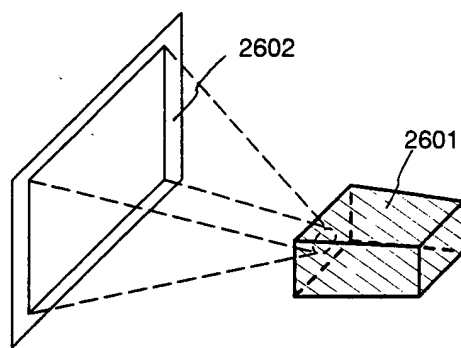


Fig. 40A

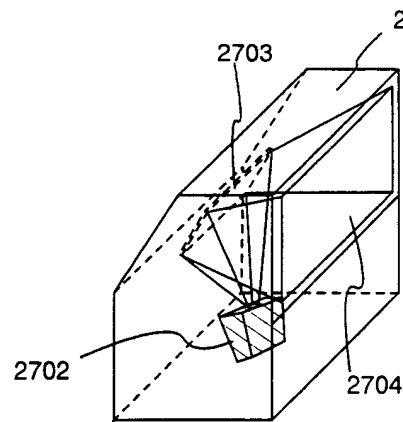


Fig. 40B

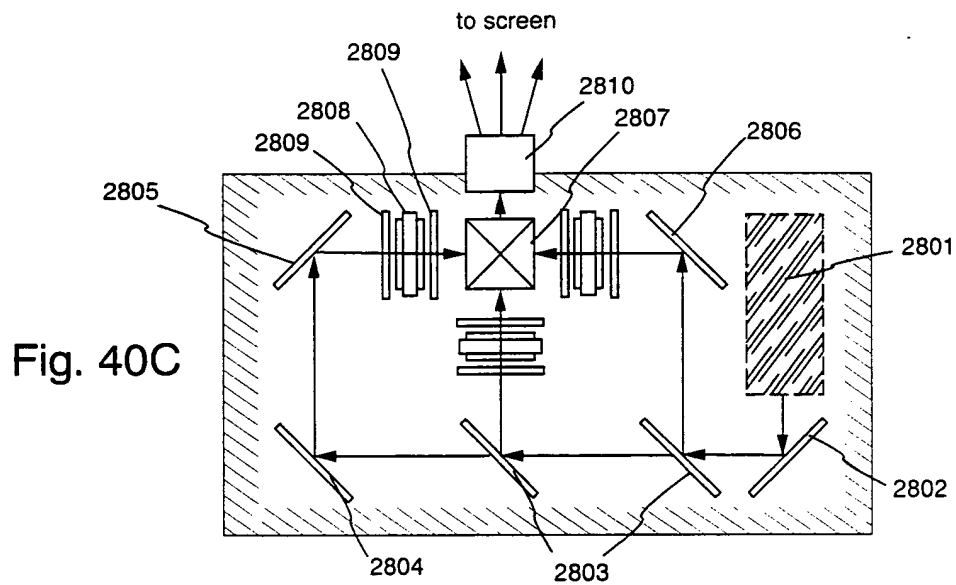


Fig. 40C

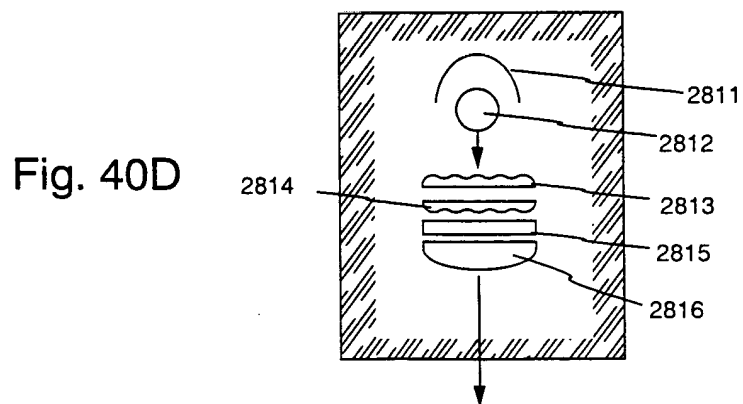


Fig. 40D

Fig. 41A

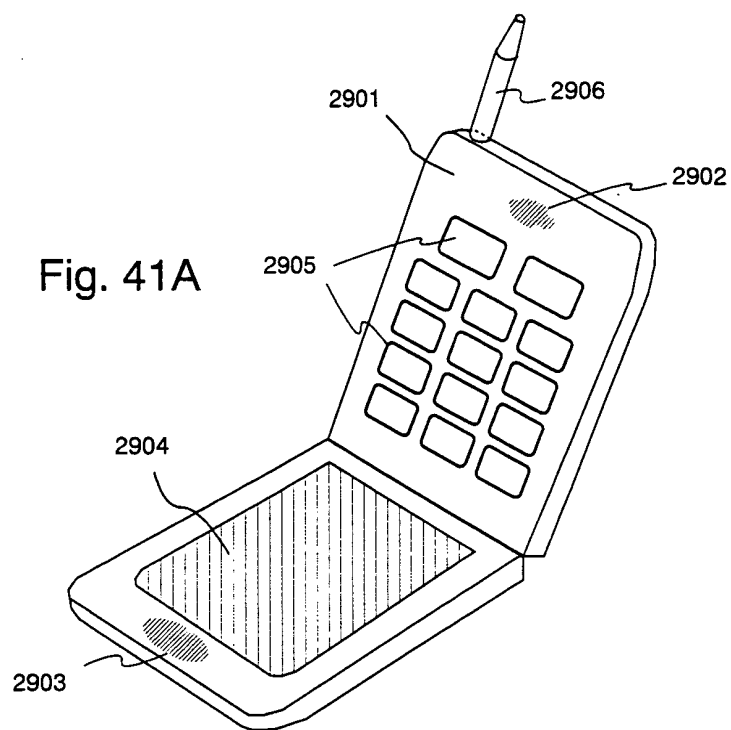


Fig. 41B

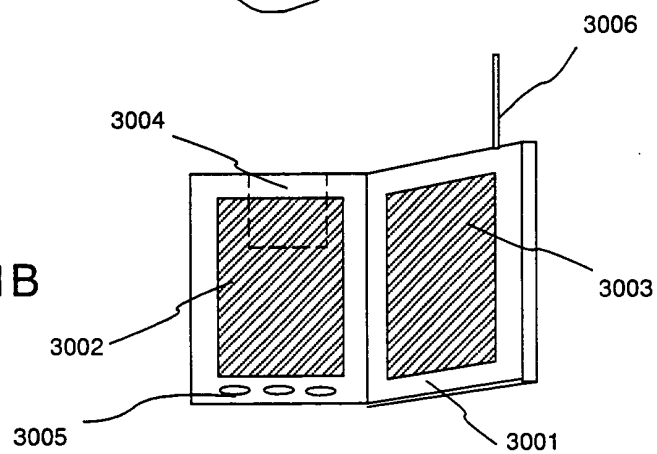
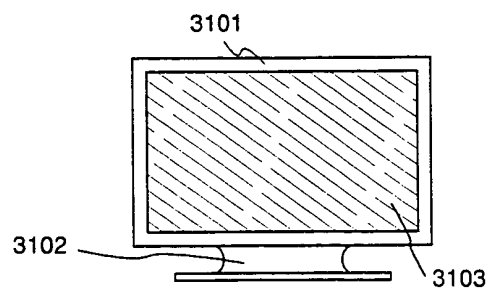


Fig. 41C



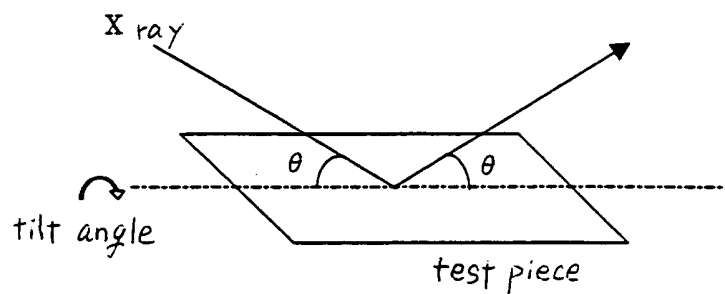


Fig. 42

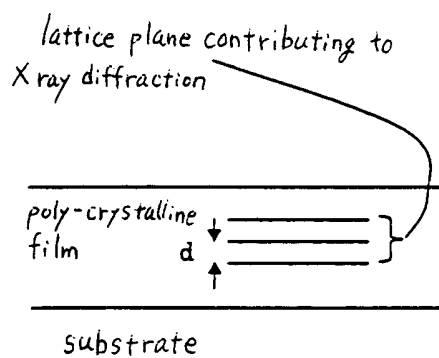


Fig. 43 A

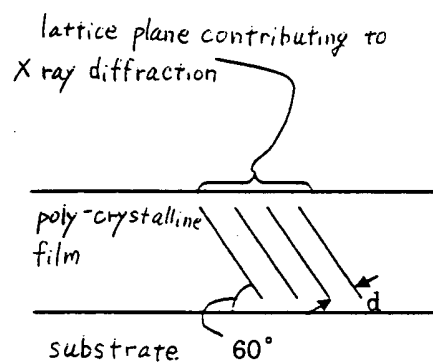


Fig. 43 B

Fig. 44

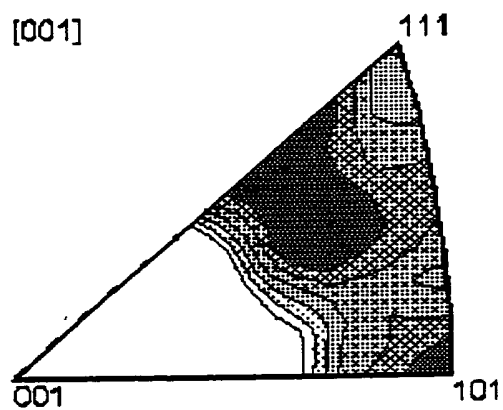


Fig. 45A

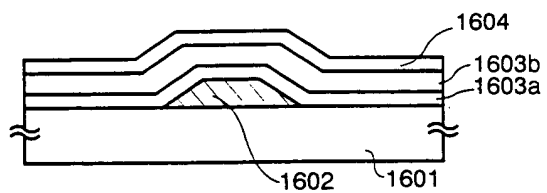


Fig. 45B

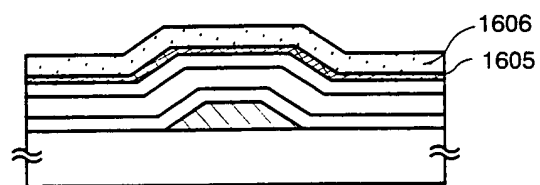


Fig. 45C

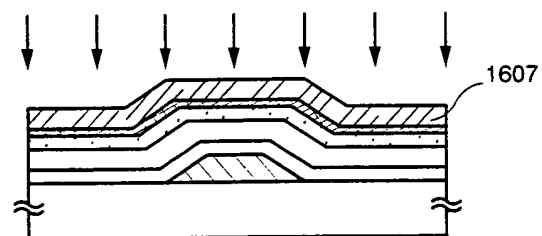


Fig. 45D

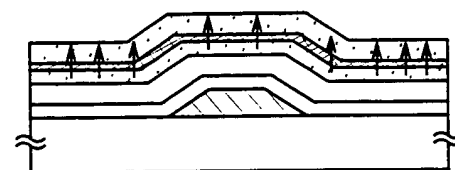


Fig. 45E

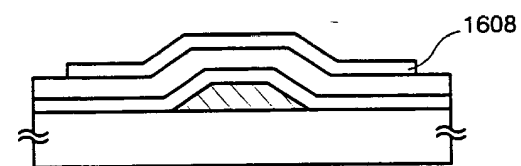


Fig. 46

